

Notice of Allowability

Application No.

10/511,835

Examiner

Thuy V. Tran

Applicant(s)

CHOKSI ET AL.

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/19/2004 incl. Preliminary Amendment concurrently filed.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 10/19/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


THUY V. TRAN
PRIMARY EXAMINER

DETAILED ACTION

This is a response to the Applicants' filing on 10/19/2004 and preliminary amendment concurrently filed therewith. In virtue of this amendment, claims 1-20 are currently presented in the instant application.

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 10/19/2004 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

2. Claims 1-20 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose or fairly suggest:

- A video display apparatus comprising a first switch responsive to a control signal that is indicative of the selected frequency for selectively coupling to said deflection circuit output stage, said first supply voltage, when said first deflection frequency is selected, and said second supply voltage, when said second deflection frequency is selected, in combination with the remaining claimed limitations as called for in independent claim 1 (claims 2-8 are allowed since they are dependent on claim 1);
- A video display apparatus comprising a power supply having a power transformer for producing a first supply voltage to energize said deflection circuit output stage, selectively, when said first deflection frequency is selected, and for producing a

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second supply voltage to energize said deflection circuit output stage, selectively, when said second deflection frequency is selected, said power transformer including a transformer winding for producing a third supply voltage that is coupled to a load circuit, in combination with the remaining claimed limitations as called for in independent claim 9 (claim 10 is allowed since it is dependent on claim 9);

- A deflection arrangement comprising a voltage correction means coupled to said feedback path, for adding a first voltage correction signal to said feedback when said first deflection frequency is selected, and for adding to said feedback a second voltage correction signal, different from said first voltage correction signal, when said second deflection frequency is selected, for correcting the value of said set voltage, in combination with the remaining claimed limitations as called for in independent claim 11 (claims 12-14 are allowed since they are dependent on claim 11);
- A power supply comprising a transformer including first, second, and third secondary windings, and also including a primary winding coupled to said controllable source, for generating pulsatory voltages in said first, second, and third secondary windings, rectifying and filtering means coupled to said first secondary winding for generating a first energizing voltage, and second and third rectifying means coupled to said second and third secondary windings, respectively, for rectifying said pulsatory voltages developed across said second and third secondary windings, respectively, in combination with the remaining claimed limitations as called for in independent claim 15 (claims 16-18 are allowed since they are dependent on claim 15); and

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- A power supply comprising a switch mode power supply including a transformer and first, second, and third secondary windings, for producing first, second, and third secondary voltages, first rectifying and filtering means coupled to receive said first secondary voltage for producing a first energizing voltage, and second and third rectifying means coupled to said second and third secondary windings, respectively, for rectifying said second and third secondary voltages for generating second and third rectified secondary voltages, and second filtering means for smoothing rectified secondary voltages to produce a second energizing voltage, in combination with the remaining claimed limitations as called for in independent claim 19 (claim 20 is allowed since it is dependent on claim 19).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of relevant prior art

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art Weber (U.S. Patent No. 6,552,504 B2) discloses a deflection circuit with a feedback controlled capacitive transformation;

Prior art Fernsler (U.S. Patent No. 6,114,817) discloses a power supply for a deflection circuit operating at multi-scan frequencies;

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Prior art Yook (U.S. Patent No. 4,829,414) discloses a circuit for generating a constant high voltage for CRT deflection circuit in response to multi-frequency horizontal synchronized input signal;

Prior art Wharton (U.S. Patent No. 4,761,587) discloses a multi-frequency horizontal oscillator for video apparatus; and

Prior art Haferl (U.S. Patent No. 4,048,544) discloses a switched vertical deflection system.

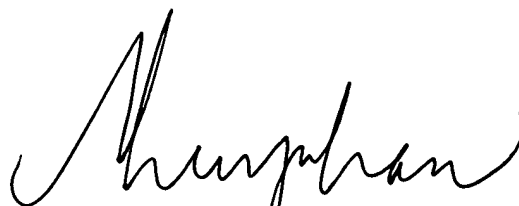
Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

11/27/2005



**THUY V. TRAN
PRIMARY EXAMINER**